

JUN 18 1993

REC'D.....

Heggy
Har

DRINKING WATER REGULATIONS AND HEALTH ADVISORIES

by

Office of Water
U.S. Environmental Protection Agency
Washington, D.C.
202-260-7571

SAFE DRINKING WATER HOTLINE
1-800-426-4791
Monday thru Friday, 8:30 AM to 5:00 PM EST

May 1993

▲
AUG 2002
RECEIVED
RECORDS CENTER

ADMIN RECORD

SW-A-004540

1/3

Drinking Water Standards and Health Advisories

May 1993

Page 2

Chemicals	Standards			Status HA	Health Advisories							Cancer Group		
	Status Reg.	MCLG (mg/l)	MCL (mg/l)		10-kg Child			70-kg Adult						
					One-day (mg/l)	Ten-day (mg/l)	Longer- term (mg/l)	Longer- term (mg/l)	RfD (mg/kg/ day)	DWEL (mg/l)	Lifetime (mg/l)		mg/l at 10 ⁻⁴ Cancer Risk	
Bromochloroacetonitrile	L	-	-	D	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	-	-	-	F	50	1	1	5	0.013	0.5	0.09	-	-	-
Bromodichloromethane (THM)	T	zero	0.1*	D	7	7	4	13	0.02	0.7	-	0.06	B2	B2
Bromoform (THM)	T	zero	0.1*	D	5	2	2	6	0.02	0.7	-	0.4	B2	B2
Bromomethane	T	-	-	F	0.1	0.1	0.1	0.5	0.001	0.04	0.01	-	-	D
Butyl benzyl phthalate (PAE)	P	zero	0.1	-	-	-	-	-	0.2	6	-	-	-	C
Butylate	-	-	-	F	2	2	1	4	0.05	2	0.35	-	-	D
Butylbenzene n-	-	-	-	D	-	-	-	-	-	-	-	-	-	-
Butylbenzene sec-	-	-	-	D	-	-	-	-	-	-	-	-	-	-
Butylbenzene tert-	-	-	-	D	-	-	-	-	-	-	-	-	-	-
Carbaryl	-	-	-	F	1	1	1	1	0.1	4	0.7	-	-	D
Carbofuran	F	0.04	0.04	F	0.05	0.05	0.05	0.2	0.005	0.2	0.04	-	-	E
Carbon tetrachloride	F	zero	0.005	F	4	0.2	0.07	0.3	0.0007	0.03	-	0.03	B2	B2
Carboxin	-	-	-	F	1	1	1	4	0.1	4	0.7	-	-	D
Chloral hydrate	T	0.06	-	D	7	1.4	0.2	0.6	0.0002	0.07	0.06	-	-	C
Chloramben	-	-	-	F	3	3	0.2	0.5	0.015	0.5	0.1	-	-	D
Chlordane	F	zero	0.002	F	0.06	0.06	-	-	0.00006	0.002	-	0.003	B2	B2
Chlorodibromomethane (THM)	T	zero	0.1*	D	7	7	2	8	0.02	0.7	0.06	-	-	C
Chloroethane	L	-	-	D	-	-	-	-	-	-	-	-	-	-
Chloroform (THM)	T	zero	0.1*	D	4	4	0.1	0.4	0.01	0.4	-	0.6	B2	B2
Chloromethane	L	-	-	F	9	0.4	0.4	1	0.004	0.1	0.003	-	-	C
Chlorophenol (2-)	-	-	-	D	0.05	0.05	0.05	0.2	0.005	0.2	0.04	-	-	D
p-Chlorophenyl methyl sulfide/sulfone/sulfoxide	-	-	-	**	-	-	-	-	-	-	-	-	-	D
Chloropicrin	L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorothalonil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorotoluene o-	L	-	-	F	0.2	0.2	0.2	0.5	0.015	0.5	-	0.15	B2	B2
Chlorotoluene p-	L	-	-	F	2	2	2	7	0.02	0.7	0.1	-	-	D
Chlorpyrifos	-	-	-	D	0.03	0.03	0.03	0.1	0.003	0.1	0.02	-	-	D
Chrysene (PAH)	P	zero	0.0002	-	-	-	-	-	-	-	-	-	-	B2
Cyanazine	T	0.001	-	F	0.1	0.1	0.02	0.07	0.002	0.07	0.001	-	-	C

* Current MCL NOTE: Chrysene was proposed in second option.

** A HA will not be developed due to insufficient data; a "Database Deficiency Report has been published.

Appendix X—Continued
TABLE A.—MODELED OR EXTRAPOLATED RISK-BASED EXIT LEVELS

CAS No.	Name	MCL benchmark option				Toxicity benchmark option			
		Wastewater		Nonwastewater		Wastewater		Nonwastewater	
		Totals (mg/l)	Leach (mg/l)	Totals (mg/kg)	Leach (mg/l)	Totals (mg/l)	Leach (mg/l)	Totals (mg/kg)	Leach (mg/l)
75-15-0	Carbon disulfide	0.74	6	330	6	0.74	6	330	6
353-50-4	Carbon oxyfluoride	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
56-23-5	Carbon tetrachloride	0.012	0.012	9	0.012	0.012	0.012	9	0.012
75-87-6	Chloral	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
305-03-3	Chlorambucil	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
57-74-9	Chloroethane	(1)	(1)	0.0098	0.036	(1)	(1)	0.0098	0.00016
494-03-1	Chloromethane	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
126-99-8	Chloro-1,3-butadiene, 2-(Chloroprene)	0.52	(1)	290	(1)	0.52	(1)	290	(1)
107-20-0	Chloroacetaldehyde	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
106-47-8	Chloroaniline, p-	0.42	0.16	140	0.19	0.42	0.16	140	0.16
108-90-7	Chlorobenzene	0.68	0.057	2500	0.0057	2	0.0057	2500	0.0057
510-15-6	Chlorobenzilate	0.054	0.0066	7	0.0018	0.054	0.0066	7	0.0018
124-48-1	Chlorodibromomethane	0.024	0.012	28	0.012	0.023	0.012	28	0.015
75-00-3	Chloroethane (ethyl chloride)	(1)	(1)	140	(1)	(1)	(1)	140	(1)
110-75-8	Chloroethyl vinyl ether, 2-	0.0076	0.017	7	0.017	0.0076	0.017	7	0.017
67-66-3	Chloroform	0.27	0.033	140	0.033	0.081	0.033	140	0.032
59-50-7	Chloro-m-cresol, p-	(1)	(1)	31	(1)	(1)	(1)	31	(1)
107-30-2	Chloromethyl methyl ether	0.27	0.033	140	0.033	0.081	0.033	140	0.032
91-58-7	Chloromethylthiophene, 2-	0.9	0.32	100	0.32	0.9	0.32	100	0.32
95-57-9	Chlorophenol, 2-	0.024	0.012	31	0.012	0.023	0.012	31	0.015
7005-72-3	Chlorophenyl phenyl ether, 4-	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
5344-82-1	Chlorophenyl thiourea, 1-O-	0.27	0.21	140	0.21	1	0.21	140	0.48
542-76-7	Chloropropionitrile, 3-	0.62	0.0012	10	0.0012	1	0.0012	10	0.0012
7440-47-3	Chromium	0.1	(1)	35	(1)	0.1	(1)	35	(1)
218-01-9	Chrysene	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
6358-53-8	Citrus red No. 2	0.62	(1)	9	(1)	1	(1)	9	(1)
7440-48-4	Cobalt	670	1100	6	1100	670	1100	6	1100
7440-50-8	Copper	8	3	22000	3	8	3	22000	3
106-39-4	Cresol, m-	8	3	27000	3	8	3	27000	3
95-48-7	Cresol, o-	8	0.32	2600	0.32	8	0.32	2600	0.32
106-44-5	Cresol, p-	8	6	1200	6	8	6	1200	6
4170-30-3	Crotonaldehyde	(1)	(1)	20	(1)	(1)	(1)	20	(1)
57-12-5	Cyanide	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
14901-08-7	Cycasin	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
108-94-1	Cyclohexanone	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
131-89-5	Cyclohexyl-4,6-dinitrophenol, 2-	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
50-18-0	Cyclophosphamide	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
20830-81-3	Danomycin	0.00013	2800	0.0065	2800	0.00013	2800	0.0065	2800
72-54-8	DDD	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
53-19-0	DDD (o,p')	(1)	0.00062	0.00094	0.00062	(1)	0.00062	0.00094	0.00062
72-55-9	DDE	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
3424-82-6	DDE (o,p')	(1)	0.0054	0.0032	0.0054	(1)	0.0054	0.0032	0.0054
50-29-3	DDT	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
789-02-6	DDT (o,p')	(1)	0.46	1	0.46	(1)	0.46	1	0.46
2303-16-4	Diallyl	8	2	27000	2	8	2	27000	2
132-64-9	Dibenzofuran	0.0029	0.0012	4	0.0012	0.0029	0.0012	4	0.0012
192-64-9	Dibenz[a,e]pyrene	0.0029	0.0012	4	0.0012	0.0029	0.0012	4	0.0012
189-64-0	Dibenz[a,h]pyrene	0.0029	0.0012	4	0.0012	0.0029	0.0012	4	0.0012
189-55-9	Dibenz[a,i]pyrene	(1)	(1)	4	(1)	(1)	(1)	4	(1)
194-59-2	Dibenz[a,k]carbazole, 7H-	0.0029	0.0012	4	0.0012	0.0029	0.0012	4	0.0012
226-36-8	Dibenz[a,h]anthracene	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
53-70-3	Dibenz[a]acridine	0.0029	0.0012	4	0.0012	0.0029	0.0012	4	0.0012
224-42-0	Dibenz[a]acridine	0.0022	0.00038	0.66	0.00038	0.0022	0.00038	0.66	0.00038
96-12-8	Dibromo-3-chloropropane, 1,2-	0.024	0.012	31	0.012	0.023	0.012	31	0.012
764-41-0	Dichloro-2-butene, 1,4-	0.024	0.012	31	0.012	0.023	0.012	31	0.012
110-57-6	Dichloro-2-butene, trans-1,4-	0.024	0.012	31	0.012	0.023	0.012	31	0.012

3/3